

LORNA GUINNESS – Curriculum Vitae

I am a Health Economist with twenty years of experience in low and middle income settings. I have worked within international funding agencies, as a consultant and in academia carrying out research, policy advice and training in economic evaluation, efficiency and equity analyses in low income countries both in Africa and Asia. I currently work as an independent consultant and am an honorary lecturer at the London School of Hygiene & Tropical Medicine.

EDUCATION

- PhD, London School of Hygiene and Tropical Medicine (2006)
- MSc Health Policy, Planning and Financing, London School of Hygiene and Tropical Medicine/ London School of Economics (1996)
- MA Development Studies, School of Oriental and African Studies (1993)
- MA(Hons) Economics & Economic History, Edinburgh University (1991)

EMPLOYMENT

Independent consultant		02/2016 – present
London School of Hygiene and Tropical Medicine	Lecturer in Health Economics	01/2001– 01/2016
Australian Centre for Economics Research in Health, Australian National University	Visiting Research Fellow	01/2010 – 12/2011
UNAIDS	Economist	01/2000 – 12/ 2000
Maxwell Stamp Plc	Health Economist	01/ 1998 – 01/1999
Liverpool School of Tropical Medicine & London School of Hygiene and Tropical Medicine	Research Assistant	07/1996 – 12/ 1997

CURRENT ACTIVITIES

- Health Information and Technology Assessment Programme – Consultant – Lead the review of the GEAR online tool for capacity development in economic evaluation in low and middle income countries (March – May 2017).
- Copenhagen Consensus – Consultant – conduct of literature reviews of impact of school based clinics on health care outcomes in Haiti (February 2017)
- Distance learning tutor, London School of Hygiene & Tropical Medicine (2007 – present)
- Global Health Costing Consortium, Bill and Melinda Gates Foundation – member of advisory group and consultant (2016 – present)
- Executive course in Global Health Leadership, LSHTM (Sept 2015 – present) – member of steering group
- Co-investigator on Australian Aid research programme: “Sustainable and equitable financing in Asia and Pacific” in **East Timor and Fiji** (2014 – present)
- Honorary Lecturer, London School of Hygiene & Tropical Medicine (to provide Phd Supervision)

LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE (2001 – 2015)**Research**

- Co-investigator (Bill and Melinda Gates Foundation) “Global Health Costing Consortium” University of Washington, USD 785,267 (£438,696.65) – awarded May 2016
- Lead economist (NIHR research project): “Impact and cost-effectiveness of needle and syringe exchange programmes in the UK” (2013 – 2015)
- Lead economist (LSHTM supported): “Systematic review of the economic evaluation of harm reduction projects” (2014-15)

- Lead economist (EDTCP funded trial): “Reduction of Early Mortality among HIV-infected subjects Starting Antiretroviral Therapy: a randomised trial” in **Zambia and Tanzania** (2011 – 2015).
- Co-investigator (Bill and Melinda Gates Foundation): Evaluation of Gates Avahan initiative, **India**. (Temporary appointment to manage staffing gap) (2009)
- ESRC Post-Doctoral Fellowship, London School of Hygiene and Tropical Medicine (July 2007 – February 2009): The costs & governance of contracting with NGOs for the provision of HIV prevention services
- Wellcome Trust Research Fellowship, London School of Hygiene and Tropical Medicine (Oct 2001 – May 2007): Costs of scaling up HIV prevention programmes in Southern **India**
- Cost-effectiveness of HIV prevention for commercial sex workers in Gujarat, **India** (DFID)
- Cost-effectiveness of HIV prevention for injecting drug users in **Ukraine** (British Council) (2001-2002)
- Economic evaluation of the CARE-SHAKTI HIV prevention project for commercial sex workers and injecting drug users in Dhaka, **Bangladesh** (DFID) (2001-2003)

Teaching & training

- Module organiser for Distance Learning module “Introduction to Health Economics” (2009-2015)
- Co-director blended short course in Health Economics and Financing Learning Programme for:
 - ❖ UNICEF – 2014-2016 - £450,000 (30 months), co PI
 - ❖ DFID & DFAT (Australia) 2014 (6 months) – £50,000, co PI
 - ❖ UNICEF – 2012 & 2013 - £350,000 (30 months), co PI
 - ❖ DFID & DFAT 2013 - £50,000 (6 months), co PI
- Lecturer on LSHTM teaching modules: Economics of Health Systems (2001-2004), Sexual and Reproductive Health Services (2001-2004)
- Design and delivery of short courses on economic evaluation (**Ukraine; Laos; Bangladesh; India**)
- Research degrees and masters project supervision and advice – specifically:
 - ❖ Retention in HIV care and efficiency of AIDS treatment programmes in a Sub-Saharan Africa setting
 - ❖ Patient costs in delivery of chronic disease programmes in low and middle income countries.
 - ❖ Economics of Integrating Sexual and Reproductive Health Services
 - ❖ Malaria in the Afghan Refugee Camps of North West Frontier Province
 - ❖ Systematic review of the use of QALYs in economic evaluations in low and middle income countries

PREVIOUS PROFESSIONAL EXPERIENCE

Economist, **UNAIDS**, Geneva (January – December 2000)

Economist providing technical support and specifically responsible for generating evidence for the African Development Bank’s 2000 conference on AIDS in Africa. Major activities during this contract included:

- Review of the literature on the economic impact of AIDS in **Africa**
- Review of the cost-effectiveness of HIV/AIDS interventions in **Africa**
- Design and delivery of short courses on economic evaluation for AIDS control programme staff (Malawi, 2000; Thailand, 2000)
- Organisation of IAEN meeting at the International AIDS conference 2000 in Durban, South Africa.

Health Economist, **Maxwell Stamp Plc** (Jan 1998 – Feb 2000) incl. Associate Economist, **Health Economics Unit, Ministry of Health and Family Welfare, Bangladesh** (Jan 1998 – Jan 1999)

Initially based in Bangladesh in the Health Economics Unit, I provided staff training and technical input to the development of the sector wide reform. I was subsequently responsible for missions in Bhutan (Asian Development Bank), Sri Lanka (Asian Development Bank) and India (DFID). Major reports from this period include:

- Costs of Caesarean Sections in **Bangladesh** (MOHFW);
- Review of pricing mechanisms for the development of health service charging in **Bangladesh** (MOHFW);
- Economic evaluation of the DFID supported West Bengal Sexual Health Project, **India**
- Economic evaluation of hygiene promotion, **Burkina Faso**, (UNICEF)

Research Assistant, **Liverpool School of Tropical Medicine** and **London School of Hygiene and Tropical Medicine** (July 1996 – December 1997)

During this time I worked on the economics of malaria control in Pakistan and Kenya and the economics of HIV in both Africa and Asia. Papers resulting from this work include:

- Development of UNAIDS technical background brochure on cost-effectiveness of HIV programmes (UNAIDS)
- Costs of Care for Hospital Inpatients with HIV in Kenyatta National Hospital, **Kenya** (DFID);
- Cost-effectiveness of malaria control for Afghan refugees in **Pakistan** (Healthnet International/ UNDP)
- Assessing the economic impact of malaria in **Kenya** (Liverpool School of Tropical Medicine, UK and Centre for Vector Borne Diseases, Nairobi);

RELEVANT PUBLICATIONS

Books

Guinness L and Wiseman V (eds) *“Introduction to Health Economics”* Open University Press. 2011.

Journal papers

Kimaro G et al (2017) The Costs of Providing Antiretroviral Therapy Services to HIV-infected Individuals Presenting with Advanced HIV Disease at Public Health Centres in Dar es Salaam, Tanzania: Findings from a Randomised Trial Evaluating Different Health Care Strategies. (In press) PONE-D-16-06128R2

Asante A, Irava W, Limwattanon, et al (2017) Financing for universal health coverage in small island states: Evidence from the Fiji Islands. (In Press). *BMJ Global Health*

Obure CD, Jacobs R, **Guinness L**, Mayhew S, Integra Initiative, Vassall A (2016) *Does integration of HIV and Sexual and Reproductive Health (SRH) Service improve technical efficiency in Kenya and Swaziland? An application of a two-stage semi parametric approach incorporating quality measures* *Social Science and Medicine*. *Soc Sci Med*, 151:147-156.

Sweeney, S.; Vassall, A.; Foster, N.; Simms, V.; Ilboudo, P.; Kimaro, G.; Mudzengi, D.; **Guinness, L.** (2016) Methodological Issues to Consider When Collecting Data to Estimate Poverty Impact in Economic Evaluations in Low-income and Middle-income Countries. *Health Economics*, 2016; 25 Suppl 1:42-52

Sweeney S, Vassall A, Foster N, Simms V, Ilboudo P, Kimaro G, Mudzengi D, **Guinness L** (2016) *Methodological issues to consider when collecting data to estimate poverty impact in economic evaluations in low- and middle-income countries*. *Health Economics*. 2016; 25 Suppl 1:42-52.

Price, JA; **Guinness, L**; Irava, W; Khan, I; Asante, A; Wiseman, V; (2015) *How to do (or not to do)... translation of national health accounts data to evidence for policy making in a low resourced setting*. *Health policy and planning*. ISSN 0268-1080 DOI:10.1093/heapol/czv089

Obure, C.D. ; Sweeney, S. ; Darsamo, V. ; Michaels-Igbokwe, C. ; **Guinness, L.** ; Terris-Prestholt, F. ; Muketo, E. ; Nhlabatsi, Z. ; Integra Initiative, . ; Warren, C.E. ; Mayhew, S. ; Watts, C. ; Vassall, A. *The Costs of Delivering Integrated HIV and Sexual Reproductive Health Services in Limited Resource Settings*. *PLoS One*, 2015; 10(5):e0124476

Obure CD, Jacobs R, **Guinness L**, Mayhew S, Integra Initiative, Vassall A. (2015) *Does integration of HIV and sexual reproductive health (SRH) services increase health facility technical efficiency? An application of a two-stage semi parametric approach incorporating quality measures*. *Sexually Transmitted Infections*.

Mfinanga, S; Chanda, D; Kivuyo, SL; **Guinness, L**; Bottomley, C; Simms, V; Chijoka, C; Masasi, A; Kimaro, G; Ngowi, B; +6 more...(2015) *Cryptococcal meningitis screening and community-based early adherence support in people with advanced HIV infection starting antiretroviral therapy in Tanzania and Zambia: an open-label, randomised controlled trial*. *Lancet*, 385 (9983). pp. 2173-82. ISSN 0140-6736 DOI: 10.1016/S0140-6736(15)60164-7.

Asante AD; Price J, Hayen A; Irava W, Martins J, **Guinness L**, Ataguba JE, Limwattananon S, Mills A, Jan S, Wiseman V (2014) *Assessment of equity in healthcare financing in Fiji and Timor-Leste: a study protocol*. *BMJ Open*, 4 (12). e006806. ISSN 2044-6055 DOI:10.1136/bmjopen-2014-006806

Chandrashekar S, **Guinness L**, Pickles M, Shetty G, Alary M, Vickerman P, CHARME-1 Evaluation Group, Vassall A. "The costs of scaling up HIV prevention for high risk groups: lessons learned from the Avahan programme in India." *PLOS ONE* 9 (9):e106582.

Wiseman V, Asante A, Price J, Hayen A, Irava W, Martins J, **Guinness L** and Jan S. "10 best resources for conducting financing and benefit incidence analysis in resource poor settings." *Health Policy and Planning*. First published online September 24, 2014 doi:10.1093/heapol/czu108.

Vassall A, Pickles M, Chandrashekar, Boily MC, Shetty G, **Guinness L**, Lowndes CM, Bradley J, Moses S, Alary M, CHARME India Group, Vickerman P. "The cost-effectiveness of HIV prevention for HIV risk groups at scale: and economic evaluation of the Avahan programme in South India." *Lancet Global Health* (August 2014).

Simms V, Matiku S, Ngowi B, Chanda D, Lesikari S, Bottomley C, Egwaga S, Kahwa A, **Guinness L**, Mwaba P, Mfinanga S, Jaffar S. "Integrating public health research trials into health systems in Africa: individual or cluster randomisation?" *Tropical Medicine & International Health*, 2013

Guinness L "What can transaction costs tell us about governance in the scaling up of HIV prevention programmes in Southern India?" *Social Science and Medicine* 72 (2011) 1939-1947.

Chandrashekar S, **Guinness L**, Kumaranayake L, Bhaskar Reddy, Govindraj Y, Vickerman P, Alary M. "The effects of scale on the costs of targeted HIV prevention interventions among female and male sex workers, men who have sex with men and transgenders in India" *Sex Transm Infect* 2010 86: i89-i94

Guinness L, Vickerman P, Quayyum Z, Foss A, Watts C, Rodericks A, et al. "The cost-effectiveness of consistent and early intervention of harm reduction for injecting drug users in Bangladesh." *Addiction*. 2009

Guinness L, Kumaranayake L and Hanson K "A cost function for HIV prevention services: is there a 'u'-shape?" *Cost-effectiveness and Resource Allocation*, 5:13 2007.

Guinness L, Kumaranayake L, Bhuvanewari R, Sankaranarayanan G, V Gangadhar, Raghupathi P and George A "Does scale matter? The costs of HIV prevention interventions for Commercial Sex Workers in India" *Bulletin of the World Health Organisation*, 2005. Oct;83(10):747-55.

Guinness L, Levine RO and Weaver M "10 best readings in Cost Analysis for HIV/AIDS Programmes in Low and Middle Income Countries". *Health Policy and Planning*, 2004. 19(4):242-245 2004. .

Borghi J, **Guinness L**, Ouedrago J and Curtis V, "Is hygiene promotion cost-effective? A case study in Burkina Faso." *Tropical Medicine and International Health*, 2002. 7 (11): 960-969.

Creese A, Floyd K, Alban A and **Guinness L**, "Cost effectiveness of HIV/AIDS interventions in Africa: a review of the evidence," *The Lancet* 2002. 359: 1635-42

Guinness L, Arthur G, Bhatt SM, Achya G, Kariuki S and Gilks CF, "Costs of hospital care for HIV positive and HIV negative patients at Kenyatta National Hospital, Nairobi, Kenya." *AIDS*, 2002. 16: 901-908.

Published Monographs

Guinness L and Alban A, "The Economic Impact of AIDS in Africa, A Review of the Literature," UNAIDS Background Paper for African Development Forum 2000, AIDS: The Greatest Leadership Challenge, Addis Ababa, December 2000. <http://www.unaids.org>

Guinness L, Kumaranayake L, Watts C and Mills A. "Technical update: Cost-effectiveness analysis and HIV/AIDS", August 1998. UNAIDS Best Practice Technical Update. Translated into French and Spanish. UNAIDS, Geneva.

Recent Peer Reviewed Abstracts

Guinness L, Harker M, Martin N, Grecco G and Vickerman P “Quality and consistency of costing in the economic evaluation of harm reduction programmes for injecting drug users” Oral presentation at the International Health Economics Association Congress, Sydney July 2013

Harker M, **Guinness L** “The use of QALYs in Economic Evaluation in Low- and Middle-Income Countries: A systematic review” ePoster presentation at the International Health Economics Association Congress, Sydney July 2013

FURTHER TRAINING

- Postgraduate Certificate in Learning and Teaching, LSHTM
- Attended HERC facilitated training in “Advanced Cost-effectiveness analysis”, February 2011
- LSHTM management course for mid-level managers
- LSHTM interview and selection skills workshop

CITIZENSHIP ACTIVITIES

- External examiner for University of Cape Town (2010, 2014)
- Member of organisational committee for LSHTM Health Economics Conference 2014
- Peer reviewer for range of health policy and economics and AIDS related journals, international conferences, funding bodies and publishers.
- Research fellow representative (2003)

LANGUAGE SKILLS

English: Mother tongue

French: Intermediate

Spanish: Competent

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

- International Health Economics Association
- Health Economists’ Study Group